

# i-Pro Management Software Version 4.0 WV-ASM100 Light Version WV-ASM100L i-Pro Monitoring Software WV-ASM10



# i-Pro management and monitoring software for multi-recorder multi-site system

# Key Features: WV-ASM100/WV-ASM100L

- Up to 100 recorders, 64 encoders and 256 directly connected cameras can be registered. Up to 6,400 cameras registered in the recorders and 256 cameras registered in the encoders are automatically registered in the WV-ASM100 (the number of the cameras depends on the recorder and encoder).
- Live images can be received directly from the camera/encoder or via the recorder enabling flexible network design.
- Multi-Monitor option enables simultaneous use of operation display (1 / 4 / 9 / 16 split), Live display (1 / 4 / 9 / 16 split) and Map display each on a dedicated monitor. Single or two monitor operation is also available. A total of 20 screens can be displayed with the simultaneous use of the operation display and the live display at a time."
- Up to 30 ips/camera can be displayed in 16 split-screen in MPEG-4
   Mbps mode (depending on the camera and camera setup).
- Up to 400 camera groups: Cameras and multiscreen mode for the operation display can be programmed and called up by manual or sequence operation.
- Image resolution dynamically changes depending on the screen mode: VGA for Quad screen, QVGA for 16 split screen, enabling optimum network usage (depending on the camera model).
- Panasonic camera control: Pan/Tilt, Zoom, Focus, Brightness,
   Preset position call and program (up to 256), Auto mode, AUX 1 ~ 3,
   Click Centering, Wheel Zoom (depending on the camera model)
- A camera, a group or a sequence can be called up on the operation display by their ID with the optional system controller WV-CU950.<sup>11</sup> The camera displayed in the active window can be controlled by the system controller. Recorder playback operation can also be made by the system controller with Jog/Shuttle.
- Alarm notification: A pop-up alarm message is displayed and live or playback images can be viewed by clicking the icon in the message.
- Illustrated camera, alarm and recorder icons for intuitive operations
- Up to 64 camera icons can be freely positioned on a map with alarm status indicated by the color of the icons.\*1
- Recorded images of up to 64 cameras (in the case of WJ-ND400) can be downloaded by one operation. Downloaded images can be viewed by the viewer software (provided).
- Sophisticated user management: User authentication with time limited password, 5 user levels, User-Camera View/Control partitioning in conjunction with recorder's user management function, Up to 32 user registrations
- System logs can be saved in CSV format. Operation logs can automatically be erased when specified time has passed (31 / 92 / 184 / 366 days).
- Audio from a camera can be heard and the operator voice can be transmitted to the camera's audio
  output through the network (single channel at a time, full/half duplex depending on the camera).

- Recorded audio with the WJ-ND200 or WJ-ND400 can be played back (single channel at a time).
- Motion frames with trails for the moving subjects can be displayed when used with the WJ-NT314.11
- When used with WJ-ND400, VMD search can be operated.
- \*1 Not available for WV-ASM100L.

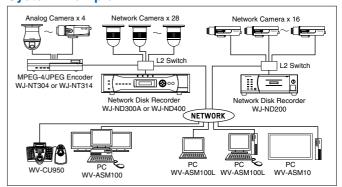
# **Key Features: WV-ASM10**

- WV-ASM10 i-Pro Monitoring Software provides up to 16 split live display including pre-programmed selection of cameras.
- Up to 16 recorders, 64 encoders and 256 directly connected cameras can be registered. Up to 512 cameras registered in the recorders and 256 cameras registered in the encoders are automatically registered in WV-ASM10 (the number of the cameras depends on the recorder and encoder).
- Spot / Quad / 6 split / 9 split / 16 split multiscreen and synchronized multiscreen group sequence
- Up to 30 ips/camera in 16 split-screen in MPEG-4 2 Mbps mode (depending on the camera)
- Up to 400 camera groups: User-programmable cameras and multiscreen assignment
- Pre-programmed cameras can automatically be displayed upon power ON.
- Camera title within 16 alphanumeric characters embedded in the image can be displayed.

### **Optional Accessory**

Ethernet System Controller with 3D-Joystick & Jog/Shuttle WV-CU950 (For WV-ASM100 only)

#### **System Example**



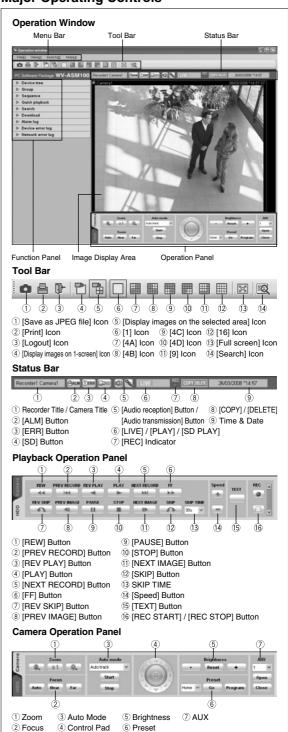
# Specifications: WV-ASM100/WV-ASM100L

Sunnorted	Supported Cameras	Direct: Panasonic i-Pro series Network cameras except for WV-NM100 Via Recorder: Panasonic
Equipment		i-Pro series Network cameras, BB series (specific models) and Axis® (specific models)
	Supported Recorders	WJ-ND400 series, WJ-ND300 series, WJ-ND200 series, WJ-HD309A/316A series, WJ-RT416 series
	Supported Encoders	WJ-NT304, WJ-NT314
	Supported Controllers*1	WV-CU950
	Supported Image Format	MPEG-4 (i-Pro series except for WV-NM100), M-JPEG
	Maximum Number of	100, Cameras registered in the recorders are automatically registered
	Recorder Registrations	in WV-ASM100/WV-ASM100L
	Maximum Number of	64, Cameras registered in the encoders are automatically registered
	Encoder Registrations	in WV-ASM100/WV-ASM100L
	Maximum Number of	Camera direct: 256, Via Recorder: 6,400 (in the case of WJ-ND400),
	Camera Registrations	3,200 (in the case of WJ-ND300A), Via Encoder: 256 (in the case of WJ-NT304, WJ-NT314)
GUI	Camera Control	Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256), Auto mode
Function	(depending on the Camera)	(SEQ, SORT, AUTO PAN, PATROL, AUTO TRACK), AUX 1 ~ 3, Click centering, Wheel zoom
	Recorder Control	REC, PLAY, Rev PLAY, Pause, Stop, FF (up to 96x), REW (up to 96x), Prev Record,
	(depending on the Recorder)	Next Record, Prev Image, Next Image, Skip (up to 60 min.), Rev Skip, (up to 60 min.) Tex
	Event Search	Target: Recorder (Camera) / Group / Map*1, Search criteria: Time date, Event type, Text
	VMD Search	In the case of WJ-ND400
	Multiscreen Mode	Spot / Quad (A-D) / 9 split / 16 split
	Sequence Display	10 programs, 64 steps/pattern, Spot / Quad / 9 split / 16 split
		Dwell time: 3s / 5s / 10s / 15s / 20s / 25s / 30s / 35s / 40s / 45s / 50s / 55s / 1min
	Display Performance	30 ips x 16 screens at MPEG-4 2 Mbps
	Multi-Monitor*1	Up to 3 monitors (Operation / Live / Map), Up to 20 cameras can be displayed (Operation-4, Live-16)
	Camera Group Display	Up to 400 groups with 16 alphanumeric titles
	Number of Maps*1	Up to 100 maps (JPEG or Bit map), Link: 64 cameras and 20 maps / map
	Image Download	Recorded images of up to 64 cameras (in the case of WJ-ND400) can be downloaded
	image Download	Manual download only. Viewer software can be extracted from the main software
	Camera Title Display	On the GUI, Up to 16 characters
	Clock Display	On the GUI. Time: 12H/24H, Date: 5 formats (When the image comes from the recorder)
	Alarm Source	Panasonic alarm protocol by Recorder
	Alarm Control	Reset, Auto reset (OFF / 10s / 20s / 30s / 1min / 5min)
	Alarm Action	Up to 16 alarm images can be displayed on the live monitor. Coresponding
		camera icon on the map lights up. Alarm message on the GUI and buzzer.
	Digital Zoom	Up to 4 times
	Text Attachment	Free comment can be attached for each record and reviewed at later time. Up to 200 characters
	System Log	Operation (100,000), System (1,000), Network error (1,000), Recorder error (1,000), Alarm (30,000)
	Recorder Log Download	Operator access, Network error, Error, Event
	User Management	Registration: Up to 32 users + Administrator, ID: 4-14 digit, PW: 4-8 digit,
	Oser Management	User level: 5 levels (Programmable), PW time limit: OFF / 31 / 92 / 184 / 366 days
		Auto login: ON / OFF, Recorder login user: Up to 16 users
	Partitioning	User - Camera (View only, View & Control, No Access) in conjunction with recorder's user managemen
	Security Method	User authentication (ID and Password), Host authentication (IP address),
	Ti 0 1 1 1	Alteration detection, Hardware key (USB dongle)
	Time Synchronization	NTP (Server/Client)
	Summer Time	User definable (using menu setup)
	System Setup	Setup page in English, French, Italian, Spanish, German, Russian, Chinese
	GUI Language	English, French, Italian, Spanish, German, Russian, Chinese
General	Supported OS	Microsoft® Windows® XP Home SP2, Microsoft® Windows® XP Professional SP2, Microsoft® Windows Vista® 32-bit, The language of the OS must be same as selected GUI language.
	Required PC	CPU: Intel® Core™ 2 Duo 2.66 GHz or faster, RAM: 1 GB (for Microsoft® Windows® XP), 2 GB
	nequired FC	
NI-A	D	(for Microsoft® Windows Vista®) or more, VRAM: 128 MB or more, Microsoft® DirectX® 9.0c or later
Network	Proxy	HTTP proxy supported (IP address and port No.)
	FTP	Passive/Active
Viewer	Playback Control	Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Image
Software	Additional Functions	Alteration detection, Save as JPEG, Two times zoom, Print

### \*1 Not available for WV-ASM100L.

Supported	Supported Cameras	Direct: Panasonic i-Pro series Network cameras except for WV-NM100
Equipment		Via Recorder: Panasonic i-Pro series Network cameras,
		BB series (specific models) and Axis® (specific models)
	Supported Recorders	WJ-ND300 series, WJ-ND200 series, WJ-HD309A/316A series
	Supported Encoders	WJ-NT304
	Supported Image Format	MPEG-4 (i-Pro series except for WV-NM100), M-JPEG
	Maximum Number of	16, Cameras registered in the recorders are automatically registered
	Recorder Registrations	in WV-ASM10
	Maximum Number of	64, Cameras registered in the encoders are automatically registered
	Encoder Registrations	in WV-ASM10
	Maximum Number of	Camera direct: 256, Via Recorder: 512 (in the case of WJ-ND300A),
	Camera Registrations	Via Encoder: 256 (in the case of WJ-NT304)
Display	Multiscreen Mode	Spot / Quad / 6 split / 9 split / 16 split
Function	Sequence Display	10 programs, 64 steps/pattern, Spot / Quad / 6 split / 9 split / 16 split, Dwell time: 3s / 5s / 10s / 15s / 20s
	Display Performance	30 ips x 16 screens at MPEG-4 2 Mbps
	Camera Group Display	Up to 400 groups with 16 alphanumeric titles
	Camera Title Display	Up to 16 Characters (image embedded)
	Security Method	Hardware key (USB dongle)
	Time Synchronization	NTP (Server / Client)
	Summer Time	User definable (using menu setup)
	System Setup	Setup page in English, Chinese, Japanese
General	Supported OS	Microsoft® Windows® XP Home SP2, Microsoft® Windows® XP Professional SP2,
		Microsoft® Windows Vista® 32-bit,
		The language of the OS must be same as selected GUI language.
	Required PC	CPU: Intel® Core™ 2 Duo 2.4 GHz or faster, RAM: 1 GB (for Microsoft® Windows® XP), 2 GB
		(for Microsoft® Windows Vista®) or more, VRAM: 128 MB or more, Microsoft® DirectX® 9.0c or later
Network	Proxy	HTTP proxy supported (IP address and port No.)

# **Major Operating Controls**



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### Important

- Safety Precaution: carefully read the operating instructions and installation manual before using this product.
- Panasonic can not be responsible for network performance and/or other manufacturer products that reside on the network.
  - All TV pictures/menu are simulated.
  - Weights and dimensions are approximate.
  - Specifications are subject to change without notice.
  - These products may be subject to export control regulations.
  - Product pictures shown in this catalog are all NTSC models.

## **DISTRIBUTED BY:**

Specifications: WV-ASM10

